

MOBILE SCAFFOLDING BRAKING SYSTEM

Abstract

A mobile scaffold (10) having bi-axially rotatable casters (22-28) and including brake assemblies (30 and 32) associated with the casters (22-28) is disclosed. The inventive brake assemblies (30,32) enable an elevated worker to selectively control the mobility of the scaffold (10) and each broadly includes shiftable brake stop subassemblies (74 and 76), a brake housing (72) adjustably connected to a respective scaffold frame (12, 14) and shiftable connected to the brake stop subassemblies (74,76), and an actuator (78) adjustably connected to the housing (72) and configured to shift the brake stop subassemblies (74,76) into and out of braking positions. When in the braking position, the brake stop subassemblies (74,76) prevent the respective casters (22-28) from rotating about both axes. The actuator includes cables (180,182) for interconnecting brake stop subassembly and the handle in one embodiment and a plunger (308,406) in other embodiments. Preferred alternative embodiments are disclosed that include pivotal linkage subassemblies (328,430) for intercommunicating the plunger and the brake stops.